

A  
generating at least one device-specific command corresponding to the modified configuration record;

transferring the generated first device-specific command to the network device; and  
receiving an event notification at an event bus, the event notification being generated by the network device;

wherein the step of retrieving the configuration record is initiated in response to the receiving of the event notification at the event bus.

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12. A system for configuring a network including a plurality of network devices, the system comprising:

an event posting component configured to receive a network event posting related to a first of the plurality of network devices;

A  
an action manager in communication with the event posting component, the action manager configured to receive the network event posting and to configure the first of the plurality of network devices in accordance with the network event posting; and

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a configuration storage module in communication with the event posting component, the configuration storage module configured to store at least one configuration record for each of the plurality of network devices;

wherein the action manager is configured to configure the first of the plurality of network devices by utilizing a configuration record corresponding to the first of the plurality network device and wherein the configuration storage module comprises a distributed storage arrangement.

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25. A system for configuring a network device, the system comprising:

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at least a first processing element configured to execute instructions;  
at least a first memory device electronically coupled with the at least a first processing element;  
and

a plurality of instructions stored on the memory device, the plurality of instructions configured to cause the at least a first processing element to perform the steps of:

A3  
retrieving a configuration record from a common repository of configuration records, the retrieved configuration record being associated with the network device;  
modifying the retrieved configuration record;  
storing the modified configuration record in the common repository;  
generating at least a first device-specific command corresponding to the modified configuration record; and  
transferring the generated first device-specific command to the network device.

wherein the plurality of instructions are configured to cause the at least a first processor to generate the at least a first device-specific command by:

retrieving a device-specific command template, wherein the device-specific command template comprises at least one variable field; and

populating the at least one variable field with data included in the modified configuration record;

wherein the retrieved configuration record indicates that the network device is from a particular manufacturer and wherein the retrieved device-specific command template is unique to the particular manufacturer.

A4  
34. The system of claim 25, wherein the retrieved configuration record indicates that the network device is a particular device type and wherein the retrieved device-specific command template is unique to the particular device type.

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***Please add new claims 38-41 as follows:***

A5  
38. A computerized method for configuring a network device, the method comprising:  
retrieving a configuration record from a common repository of configuration records, the retrieved configuration record being associated with the network device;  
modifying the retrieved configuration record;  
storing the modified configuration record in the common repository;  
generating at least one device-specific command corresponding to the modified configuration record;  
transferring the generated first device-specific command to the network device; and

wherein the step of generating the at least one device-specific command comprises the steps of:

retrieving a device-specific command template, wherein the device-specific command template comprises at least one variable field; and

populating the at least one variable field with data included in the modified configuration record;

wherein the retrieved configuration record indicates that the network device is from a particular manufacturer, and wherein the retrieved device-specific command template is unique to the particular manufacturer.

39. The computerized method of claim 38, further comprising:

verifying that the modified configuration record complies with a network policy.

40. A computerized method for configuring a network device, the method comprising:

retrieving a configuration record from a distributed common repository of configuration records, the retrieved configuration record being associated with the network device;

modifying the retrieved configuration record;

storing the modified configuration record in the common repository;

generating at least one device-specific command corresponding to the modified configuration record; and

transferring the generated first device-specific command to the network device

41. The method of claim 40, wherein the step of generating the at least one device-specific command comprises:

retrieving a device-specific command template, wherein the device-specific command template comprises at least one variable field; and

populating the at least one variable field with data included in the modified configuration record.